

Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) EP 1 193 140 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
14.05.2003 Bulletin 2003/20

(51) Int Cl.⁷: B60R 21/20, B32B 27/20

(43) Date of publication A2:
03.04.2002 Bulletin 2002/14

(21) Application number: 01123504.1

(22) Date of filing: 28.09.2001

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR
Designated Extension States:
AL LT LV MK RO SI

(30) Priority: 29.09.2000 JP 2000299158

(71) Applicant: Toyoda Gosei Co., Ltd.
Nishikasugai-gun, Aichi 452-8564 (JP)

(72) Inventors:
• Ueno, Shigehiro
Nishikasugai-gun, Aichi 452-8564 (JP)
• Nagano, Akiyoshi
Nishikasugai-gun, Aichi 452-8564 (JP)

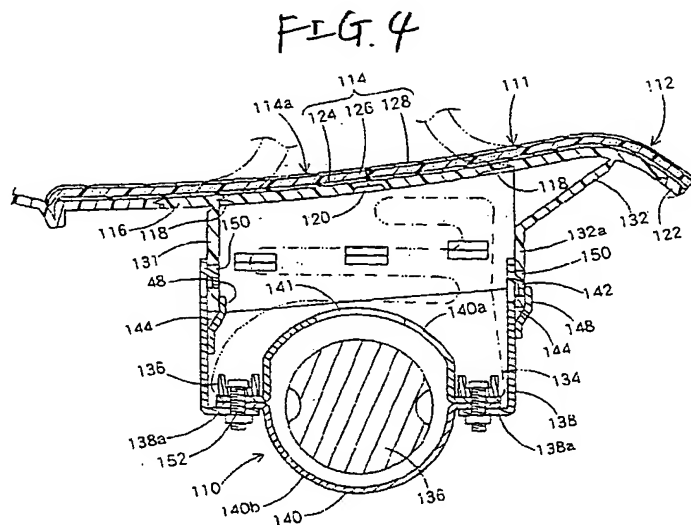
- Nakano, Akio
Nishikasugai-gun, Aichi 452-8564 (JP)
- Furuta, Kenichi
Nishikasugai-gun, Aichi 452-8564 (JP)
- Suyama, Hiroshi
Nishikasugai-gun, Aichi 452-8564 (JP)
- Horiba, Yukihiro
Nishikasugai-gun, Aichi 452-8564 (JP)
- Shichida, Yoshiaki
Nishikasugai-gun, Aichi 452-8564 (JP)
- Togawa, Toshikatsu
Nishikasugai-gun, Aichi 452-8564 (JP)

(74) Representative:
Blumbach, Kramer & Partner GbR
Radeckestrasse 43
81245 München (DE)

(54) Air bag cover

(57) An air bag cover having a surface sheet (114) including a TPE layer (114a) (decorative layer) on the surface side is provided. A surface sheet (114) with the

breaking elongation adjusted by containing a filler (120) in a TPE material for forming the TPE layer, is used. Thereby, the breaking rapidity at a tear line groove formation portion is improved.





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 01 12 3504

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
Y	US 6 065 771 A (YANAGIHARA MASAHIKO ET AL) 23 May 2000 (2000-05-23) * column 5, line 52 - line 67; figure 1 * * column 8, line 14 - line 36 * * column 10, line 15-20 *	2-5	B60R21/20 B32B27/20
X	US 5 531 469 A (MATSUSHIMA YOSUKE ET AL) 2 July 1996 (1996-07-02) * column 1, line 10 - column 2, line 29 * * column 4, line 6 - line 15; figure 2 *	1,6-9	
Y	GB 2 254 618 A (TAKATA CORP) 14 October 1992 (1992-10-14) * page 5, line 23 - page 6, line 13; claims 1,3; figure 1 *	2-5	
A	US 5 567 375 A (FILION SCOTT M ET AL) 22 October 1996 (1996-10-22) * column 2, line 52 - column 3, line 10; figure 2 *	1	
A	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 08, 30 August 1996 (1996-08-30) & JP 08 091164 A (BRIDGESTONE CORP; NISSEI PLASTICS IND CO), 9 April 1996 (1996-04-09) * abstract *	1	TECHNICAL FIELDS SEARCHED (Int.CI.7) B60R B32B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 19 March 2003	Examiner Burley, J
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document</p> <p>T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document</p>			

EPO FORM 1503 03/82 (P04C01)

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 01 12 3504

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

19-03-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6065771	A	23-05-2000	JP 3172866 B2	04-06-2001
			JP 10071906 A	17-03-1998
			JP 10329631 A	15-12-1998
			AU 749401 B2	27-06-2002
			AU 8613498 A	09-09-1998
			WO 9836948 A1	27-08-1998
US 5531469	A	02-07-1996	JP 2972057 B2	08-11-1999
			JP 7001675 A	06-01-1995
			DE 4420829 A1	22-12-1994
			GB 2279361 A , B	04-01-1995
GB 2254618	A	14-10-1992	JP 4314648 A	05-11-1992
			CA 2064276 A1	12-10-1992
			DE 4211994 A1	15-10-1992
			FR 2675097 A1	16-10-1992
US 5567375	A	22-10-1996	NONE	
JP 08091164	A	09-04-1996	NONE	

EPO FORM P/459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

THIS PAGE BLANK (USPTO)